

# Ice Cream and Frozen Dessert Manufacturing: 2002

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## 2002 Economic Census

*Manufacturing*

Industry Series



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U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU



**Table 1. Historical Statistics for the Industry: 2002 and Earlier Years**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year <sup>1</sup>	Com- panies <sup>2</sup>	All estab- lish- ments <sup>3</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
311520, Ice cream and frozen dessert manufacturing .....	2002.. 365	407	20 166	718 453	15 173	29 107	495 155	4 392 210	3 790 577	8 178 027	243 876
	2001.. N	N	18 935	617 630	13 671	26 626	428 317	3 361 898	3 383 124	6 747 046	136 124
	2000.. N	N	19 591	619 287	13 686	26 690	411 498	3 072 640	3 269 234	6 339 744	152 557
	1999.. N	N	20 032	623 337	14 125	28 478	416 172	2 262 982	3 234 402	5 492 475	134 768
	1998.. N	N	20 123	628 255	14 440	29 954	414 019	2 253 796	3 690 707	5 956 516	185 200
	1997.. 409	449	19 786	606 694	14 244	30 135	390 903	2 550 133	3 312 478	5 857 909	157 887

<sup>1</sup>Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

<sup>2</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>3</sup>Includes establishments with payroll at any time during the year.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 2. Industry Statistics for Selected States: 2002**

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
<b>311520, Ice cream and frozen dessert manufacturing</b>												
United States .....	1	407	128	20 166	718 453	15 173	29 107	495 155	4 392 210	3 790 577	8 178 027	243 876
California .....	1	75	17	1 924	77 037	1 338	2 671	49 109	795 932	473 768	1 270 850	26 291
Colorado .....	4	7	3	221	7 090	167	328	4 926	30 942	38 170	70 171	10 712
Connecticut .....	1	12	2	309	8 487	211	433	4 498	49 173	47 530	97 968	1 518
Florida .....	5	20	5	592	19 854	454	784	14 323	164 300	132 953	300 535	6 567
Illinois .....	4	16	7	1 215	55 931	907	1 900	39 262	378 033	184 680	557 889	13 992
Indiana .....	—	10	4	758	28 282	576	1 010	20 352	511 675	275 039	779 642	8 541
Maryland .....	2	10	5	940	34 615	799	1 355	29 091	274 464	130 615	413 155	8 218
Massachusetts .....	—	20	7	1 113	56 208	641	1 063	25 595	276 273	328 373	603 540	6 166
Michigan .....	—	10	4	317	9 378	246	499	5 821	39 428	68 270	104 918	1 207
Missouri .....	—	8	3	853	27 753	737	1 024	23 544	165 489	86 575	251 843	10 689
New Jersey .....	1	18	4	480	10 592	429	821	8 189	36 121	23 475	59 360	2 537
New York .....	2	33	6	1 065	35 124	778	1 566	21 805	65 022	80 601	148 702	3 308
North Carolina .....	—	6	1	147	4 151	112	205	2 507	13 830	20 982	34 710	726
Ohio .....	—	13	5	1 094	23 111	891	1 200	17 054	47 138	112 853	158 138	2 571
Oregon .....	—	3	3	205	8 708	131	256	4 436	25 795	28 690	54 240	2 680
Pennsylvania .....	2	23	6	1 606	48 999	976	1 935	28 395	238 862	259 845	495 015	15 363
Tennessee .....	—	4	3	680	28 783	376	724	12 831	261 028	127 974	392 385	4 606
Texas .....	2	25	4	1 412	47 673	966	1 995	31 387	348 225	205 336	551 161	12 587
Utah .....	3	6	5	277	9 774	164	344	5 618	34 387	112 367	146 915	1 712
Washington .....	7	9	4	340	11 525	275	563	8 769	18 705	60 819	82 040	2 161
Wisconsin .....	4	10	3	263	8 659	178	356	5 245	24 415	35 256	60 187	3 066

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 3. Detailed Statistics by Industry: 2002**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
<b>311520, Ice cream and frozen dessert manufacturing</b>	
Companies <sup>1</sup> .....	number.. 365
All establishments <sup>2</sup> .....	number.. 407
Establishments with 1 to 19 employees .....	number.. 279
Establishments with 20 to 99 employees .....	number.. 74
Establishments with 100 employees or more .....	number.. 54
All employees <sup>3</sup> .....	number.. 20 166
Total compensation .....	\$1,000.. 899 691
Annual payroll .....	\$1,000.. 718 453
Total fringe benefits .....	\$1,000.. 181 238
Production workers, average for year .....	number.. 15 173
Production workers on March 12 .....	number.. 15 218
Production workers on May 12 .....	number.. 15 801
Production workers on August 12 .....	number.. 15 129
Production workers on November 12 .....	number.. 14 501
Production worker hours .....	1,000.. 29 107
Production worker wages .....	\$1,000.. 495 155
Total cost of materials .....	\$1,000.. 3 790 577
Materials, parts, containers, packaging, etc., used .....	\$1,000.. 3 234 036
Resales .....	\$1,000.. D
Purchased fuels .....	\$1,000.. 12 725
Purchased electricity .....	\$1,000.. 79 857
Contract work .....	\$1,000.. D
Quantity of electricity purchased for heat and power .....	1,000 kWh.. 1 292 746
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. -
Total value of shipments .....	\$1,000.. 8 178 027
Primary products value of shipments .....	\$1,000.. 7 117 882
Secondary products value of shipments .....	\$1,000.. 504 341
Total miscellaneous receipts .....	\$1,000.. 555 804
Value of resales .....	\$1,000.. D
Contract receipts .....	\$1,000.. D
Other miscellaneous receipts .....	\$1,000.. D
Primary products specialization ratio .....	percent.. 93
Value of primary products shipments made in all industries .....	\$1,000.. 7 786 715
Value of primary products shipments made in this industry .....	\$1,000.. 7 117 882
Value of primary products shipments made in other industries .....	\$1,000.. 668 833
Coverage ratio .....	percent.. 91
Value added .....	\$1,000.. 4 392 210
Total inventories, beginning of year .....	\$1,000.. 413 101
Finished goods inventories .....	\$1,000.. 267 367
Work-in-process inventories .....	\$1,000.. 8 180
Materials and supplies inventories .....	\$1,000.. 137 554
Total inventories, end of year .....	\$1,000.. 409 325
Finished goods inventories .....	\$1,000.. 274 509
Work-in-process inventories .....	\$1,000.. 5 798
Materials and supplies inventories .....	\$1,000.. 129 018
Gross value of depreciable assets (acquisition costs) at beginning of year .....	\$1,000.. 2 198 408
Total capital expenditures (new and used) .....	\$1,000.. 243 876
Buildings and other structures (new and used) .....	\$1,000.. 52 660
Machinery and equipment (new and used) .....	\$1,000.. 191 216
Automobiles, trucks, etc., for highway use .....	\$1,000.. 7 871
Computers and peripheral data processing equipment .....	\$1,000.. 7 418
All other expenditures for machinery and equipment .....	\$1,000.. 175 927
Total retirements .....	\$1,000.. 115 208
Gross value of depreciable assets at end of year .....	\$1,000.. 2 327 076
Depreciation charges during year .....	\$1,000.. 133 854
Total rental payments .....	\$1,000.. 62 994
Buildings and other structures .....	\$1,000.. 36 961
Machinery and equipment .....	\$1,000.. 26 033
Total other expenses <sup>4</sup> .....	\$1,000.. 506 158
Response coverage ratio <sup>5</sup> .....	percent.. 79
Repair and maintenance services of buildings and/or machinery <sup>4</sup> .....	\$1,000.. 71 838
Communications services <sup>4</sup> .....	\$1,000.. 3 561
Legal services <sup>4</sup> .....	\$1,000.. 1 454
Accounting, auditing, and bookkeeping services <sup>4</sup> .....	\$1,000.. 1 021
Advertising and promotional services <sup>4</sup> .....	\$1,000.. D
Expensed computer hardware and supplies and purchased computer services <sup>4</sup> .....	\$1,000.. 2 277
Refuse removal (including hazardous waste) services <sup>4</sup> .....	\$1,000.. 12 780
Management consulting and administrative services <sup>4</sup> .....	\$1,000.. D
Taxes and license fees <sup>4</sup> .....	\$1,000.. 11 773
All other expenses <sup>4</sup> .....	\$1,000.. 249 775

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Based on Annual Survey of Manufactures (ASM) sample data.

<sup>5</sup>A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 4. Industry Statistics by Employment Size: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E <sup>1</sup>	All establishments <sup>2</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
311520, Ice cream and frozen dessert manufacturing											
All establishments .....	1	407	20 166	718 453	15 173	29 107	495 155	4 392 210	3 790 577	8 178 027	243 876
Establishments with—											
1 to 4 employees .....	9	200	389	12 473	321	625	9 284	72 086	46 956	118 998	3 450
5 to 9 employees .....	8	44	303	10 553	241	488	7 574	48 037	36 949	84 656	2 825
10 to 19 employees .....	6	35	465	14 920	347	706	9 951	70 981	52 449	123 400	3 985
20 to 49 employees .....	4	45	1 431	49 278	1 004	2 044	31 682	200 561	272 637	475 337	10 845
50 to 99 employees .....	2	29	2 111	73 671	1 400	2 717	41 761	321 716	289 280	609 806	14 939
100 to 249 employees .....	2	29	4 677	166 997	3 559	6 781	120 093	1 371 923	1 259 194	2 638 974	67 109
250 to 499 employees .....	—	18	6 141	204 900	4 877	8 787	153 303	1 318 984	1 060 153	2 365 594	61 883
500 to 999 employees .....	1	7	4 649	185 661	3 424	6 959	121 507	987 922	772 959	1 761 262	78 840
1,000 to 2,499 employees .....	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more .....	—	—	—	—	—	—	—	—	—	—	—
Administrative records <sup>4</sup> .....	9	217	560	18 673	470	939	14 077	109 703	73 295	182 564	5 346

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 5. Industry Statistics by Primary Product Class Specialization: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments <sup>1</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)				
311520	Ice cream and frozen dessert manufacturing .....	407	20 166	718 453	15 173	29 107	495 155	4 392 210	3 790 577	8 178 027	243 876
3115200	Ice cream and frozen dessert manufacturing .....	407	20 166	718 453	15 173	29 107	495 155	4 392 210	3 790 577	8 178 027	243 876

<sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 6a. Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
311520	Ice cream and frozen dessert manufacturing .....	2002.. N 1997.. N	X X	X X	7 786 715 5 758 731
3115200	Ice cream and frozen dessert manufacturing .....	2002.. N 1997.. N	X X	X X	7 786 715 5 758 731
31152001	Ice cream, excluding lowfat and nonfat (including custards), shipped in bulk (containers 3 gal or more) .....	2002.. N 1997.. N	X X	X X	661 717 639 176
3115200111	Ice cream, excluding lowfat and nonfat (including custards), shipped in bulk (containers 3 gal or more) .....	mil gal. 2002.. 77 1997.. 135	X X	S q138.7	661 717 639 176
31152002	Ice cream, excluding lowfat and nonfat (including custards), shipped in container sizes (less than 3 gal) .....	2002.. N 1997.. N	X X	X X	3 366 374 2 709 413
3115200221	Ice cream, excluding lowfat and nonfat (including custards), shipped in container sizes (less than 3 gal) .....	mil gal. 2002.. 79 1997.. 143	X X	p781.6 q748.9	3 366 374 2 709 413
31152003	Ice cream, excluding lowfat and nonfat (including custards), novelty forms .....	2002.. N 1997.. N	X X	X X	1 475 947 968 061
3115200331	Ice cream, excluding lowfat and nonfat (including custards), novelty forms .....	mil gal. 2002.. 51 1997.. 89	X X	p355.4 q163.0	1 475 947 968 061
31152004	Lowfat and nonfat ice cream (including custards) .....	2002.. N 1997.. N	X X	X X	499 617 380 031
3115200441	Lowfat ice cream (including custards), shipped in bulk (containers 3 gal or more) .....	mil gal. 2002.. 16 1997.. 17	X X	S S	44 991 18 759
3115200451	Lowfat ice cream (including custards), shipped in container sizes (less than 3 gal) .....	mil gal. 2002.. 40 1997.. 65	X X	S p77.7	238 750 189 494
3115200461	Lowfat ice cream (including custards), novelty forms .....	mil gal. 2002.. 20 1997.. 30	X X	p10.6 S	102 955 89 094
3115200471	Nonfat ice cream (including custards), shipped in bulk (containers 3 gal or more) .....	mil gal. 2002.. 3 1997.. 6	X X	S p1.0	5 944 3 642
3115200481	Nonfat ice cream (including custards), shipped in container sizes (less than 3 gal) .....	mil gal. 2002.. 14 1997.. 23	X X	S 18.9	98 822 63 061
3115200491	Nonfat ice cream (including custards), novelty forms .....	mil gal. 2002.. 5 1997.. 6	X X	3.5 .8	8 155 15 981
31152005	Other frozen desserts (yogurt, sherbet, water ices, mellorine, frozen pudding, etc.) .....	2002.. N 1997.. N	X X	X X	1 077 109 799 689
31152005A1	Regular and lowfat frozen yogurt .....	mil gal. 2002.. 33 1997.. 65	X X	X q58.1	162 641 213 835
31152005B1	Nonfat frozen yogurt .....	mil gal. 2002.. 16 1997.. 32	X X	S S	61 329 90 953
31152005C1	Sherbet, shipped in bulk (containers 3 gal or more) .....	mil gal. 2002.. 20 1997.. 36	X X	S S	46 320 41 381
31152005D1	Sherbet, shipped in all other sizes, including novelty forms .....	mil gal. 2002.. 36 1997.. 62	X X	S q31.9	264 955 99 990
31152005E1	Water ices containing no real fruit or fruit juice .....	mil gal. 2002.. 18 1997.. 45	X X	q106.3 p63.1	252 126 148 143
31152005F1	Ices containing some real fruit or fruit juice .....	mil gal. 2002.. 19 1997.. 42	X X	S p51.4	207 480 139 230
31152005G1	Mellorine and similar frozen desserts containing fats other than butterfat (including tofu-type) .....	mil gal. 2002.. 6 1997.. 8	X X	S S	24 502 23 673
31152005H1	Other frozen desserts (frozen pudding, etc.) .....	mil gal. 2002.. 12 1997.. 19	X X	S S	57 756 42 484
3115200Y	Ice cream and frozen dessert manufacturing, nsk, total .....	2002.. N 1997.. N	X X	X X	705 951 262 361
3115200YWW	Ice cream and frozen dessert manufacturing, nsk, for nonadministrative-record establishments .....	2002.. N 1997.. N	X X	X X	535 778 125 135
3115200YWY	Ice cream and frozen dessert manufacturing, nsk, for administrative-record establishments .....	2002.. N 1997.. N	X X	X X	170 173 137 226

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p—10 to 19 percent estimated; q—20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]



**Table 7. Materials Consumed by Kind: 2002 and 1997**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
311520	Ice cream and frozen dessert manufacturing		
00900001	Total materials .....2002..	X	3 234 036
	.....1997..	X	2 813 696
11212000	Whole milk ..... mil cwt ..2002..	S	310 162
	.....1997..	q17.6	248 770
31151101	Fluid skim milk ..... mil cwt ..2002..	S	71 812
	.....1997..	S	61 389
31151103	Cream ..... mil cwt ..2002..	p6.3	445 432
	.....1997..	q9.4	434 730
31151200	Butter ..... mil lb ..2002..	S	10 089
	.....1997..	S	7 924
31151401	Condensed and evaporated milk ..... mil lb ..2002..	S	127 571
	.....1997..	174.1	132 673
31151407	Dry milk ..... mil lb ..2002..	S	51 765
	.....1997..	S	64 246
31152001	Ice cream mixes (excluding lowfat and nonfat) ..... mil gal ..2002..	109.4	343 116
	.....1997..	q37.8	107 222
31152003	Sherbet mix ..... mil gal ..2002..	S	39 828
	.....1997..	S	18 758
31152005	Ice cream mix, lowfat ..... mil gal ..2002..	p16.0	41 875
	.....1997..	S	7 486
31152009	Ice cream mix, nonfat ..... mil gal ..2002..	S	6 669
	.....1997..	1.8	4 994
31152007	Yogurt mix ..... mil gal ..2002..	S	12 948
	.....1997..	S	13 182
31100019	Fats and oils, all types, purchased ..... mil lb ..2002..	D	D
	.....1997..	D	D
31122103	High fructose corn syrup (HFCS) (solids) ..... mil lb ..2002..	S	33 745
	.....1997..	295.6	37 547
31122117	Crystalline fructose (dry fructose) ..... mil lb ..2002..	D	D
	.....1997..	D	D
31122119	Dextrose and corn syrup, including corn syrup solids (dry weight) ..... mil lb ..2002..	S	40 127
	.....1997..	330.9	47 182
31131001	Sugar, cane and beet (sugar solids) ..... 1,000 s tons ..2002..	q169.3	79 532
	.....1997..	N	N
31151403	Whey (liquid, concentrated, and dried) and modified whey products ..... mil lb ..2002..	S	11 549
	.....1997..	S	13 675
00190035	Casein and caseinates ..... mil lb ..2002..	S	2 110
	.....1997..	S	1 943
31132001	Chocolate (compounds, cocoa, chocolate liquor, coatings, chocolate flavoring, etc.) ..... mil lb ..2002..	134.1	104 763
	.....1997..	p120.3	101 650
00190036	Flavorings (natural, imitation, etc.), excluding chocolate .....2002..	X	277 903
	.....1997..	X	268 908
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. ....2002..	S	15 080
	.....1997..	X	24 773
001900A1	Packaging paper and plastics film, coated and laminated .....2002..	X	138 785
	.....1997..	X	153 920
001900A3	Bags (plastics, foil, and coated paper) .....2002..	X	6 795
	.....1997..	X	12 767
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes .....2002..	X	5 466
	.....1997..	X	4 454
32610028	Plastics containers (excluding bags) .....2002..	X	36 715
	.....1997..	X	N
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	412 784
	.....1997..	X	342 526
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	358 440
	.....1997..	X	414 603
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	243 639
	.....1997..	X	284 564

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.